

DAY IS EVENTFUL FOR MINING MEN

(Continued from page one.)
become increasingly so while the European war continues. The dependence of the country upon foreign countries for this supply is being forcibly indicated.

Another feature of the mining engineers sessions was the statement in a paper by David B. Reger, of the West Virginia Geological Survey, to the effect that "the exhaustion of oil and gas in the United States is proceeding at a rapid pace." Mr. Reger predicted that this problem will first be partially solved by the securing of deeper producing horizons in the high-grade oil regions and later by the possibility of mining deep sand oil and gas.

Other papers attracting considerable attention of the delegates were "The Geology of the Warren Mining District" by Y. Bontillas, J. B. Tenney and Leon Feuchere; "Cooperative Effort in Mining" by Joseph P. Hodgson and "Gold and Silver Deposits in North and South America" by Waldemar Lindgren.

In this last paper Dr. Lindgren stated the conclusion that the South American mineral resources in precious metals are less than those of the northern continent and that "even progress and enterprise will be unable to raise its production to approach the figures attained by North America."

The Trip To Douglas

The first movement of delegates to the Arizona meeting of the institute started from New York City last Thursday evening at 5:30 o'clock over the New York Central lines. The New York delegation, numbering about 35 persons, was traveling partly in the special car Maunee and partly in the compartment cars of the Lake Shore Limited, to which the car was attached. Guy C. Harner, of the New York Central, who arranged for the railroad accommodations of the eastern members, is acting as their transportation guide throughout the trip. At Albany the New England delegates including Mr. and Mrs. Sidney J. Jennings and family, joined the train. Mr. and Mrs. Bradley Stoughton, the former known to mining men the country over as the energetic secretary of the institute, also joined the party at Albany. Additions were also made to the party at middle western points and the train arrived at Chicago on Friday afternoon at 4 o'clock with 40 persons en route to Arizona.

The Chicago section of the institute entertained the delegation and others who had come from points in Illinois and Ohio with an automobile ride over the boulevard system and through the parks of the Windy City. After a two hours' ride dinner was served in the La Salle hotel and the party, increased now to 60 persons, including Carl Scholz, of the Rock Island railroad, J. A. Ede of La Salle, Ind., and William H. Rea, of Pittsburgh, left in the evening over the Rock Island road for El Paso. Attached to the engi-

neers' train, which was the first section of the Golden State Limited, was the private car of Benjamin B. Thayer, president of Anaconda Copper Co., and past president of the mining institute. Dr. and Mrs. L. D. Ricketts, who had left from New York, were the guests of Mr. Thayer en route from Chicago.

Study Geology

On the way to El Paso the engineers were given an opportunity to study the geological conditions and mineral resources of the country through which they were passing and its environs by the use of a geological map presented individually to the members by Carl Schlotz. At Kansas City, Mo. on Saturday morning, the party was joined by the Missouri delegation, which included Philip N. Moore, widely known as a consulting engineer, and D. A. Beuhler, state geologist of Missouri.

Fleet Of Autos

The arrival at El Paso was made at about 3 o'clock on Sunday afternoon and the delegation found a fleet of automobiles awaiting them for a flying inspection of the many novel points of interest in that city. The engineers first inspected the mobilization camps of some 90,000 troops stationed outside the city and the border patrol. Some of the automobiles took parties to Juarez, Mex., where a bull fight was witnessed and great interest was displayed in the living conditions of the citizens of that now historic city. Toward the end of the afternoon the party was taken through the great smelter of the American Smelting and Refining company, with Karl Eilers conducting the visitors and explaining the principal methods. Enthusiastic interest was shown by the experts in the basic converter and the casting system of the smelting plant.

At 7 o'clock a Mexican dinner, the first to touch the palates of most of the party, was offered at the Toltec club by the El Paso delegation, who seemed to be outdoing all records for hospitality in their efforts to entertain the engineers. During the dinner a Mexican orchestra provided orchestra music, native to their fingers and to all the visitors a rare treat. Following the dinner Dr. L. D. Ricketts proposed a rising vote of thanks to the genial hosts at El Paso and W. W. Rose and the El Paso men expressed their pleasure at the visit of the institute delegates by a rising vote. The party entrained at 11 o'clock and with a train of 13 cars and 170 persons aboard set off for Santa Rita and Hurley.

Needed All The Power

It is reported that three engines and all the "dinkies" of the state were necessary to push the heavy train to the Santa Rita mining section. But the desired result was achieved at an early hour yesterday morning and when the Chino Copper company's men had sufficiently recovered from their astonishment at the appearance of the long steel snake an explosive serenade was in order that convinced every one that Villa had preceded them to Santa Rita evidently believed in prepared-

ness for a large part of its culinary resources were concentrated alongside the train for the delegates' visit. The early morning was spent in inspecting the pits of the Chino Copper company, the interest of the engineers being especially stimulated by the crushers and steam shovel methods there in use. Following this visit automobiles carried the party to mills of the Empire Zinc company, which demonstrated new magnetic processes which many of the visitors had not before seen. A ten mile auto trip through a section of the valley now being opened by prospectors completed the morning's program.

Upon their return to Santa Rita the engineers and their friends found a barbecue awaiting them, about 500 pounds of beef having been prepared in addition to all the embellishments that go to satisfy the inner man. The Eleventh cavalry United States army band furnished music throughout the meal and at its close the entire assemblage, consisting of about 400 persons, rose to a rendition of the Star Spangled Banner. A few minutes later the visitors departed, some by automobile and some by the special train, for Hurley. The train was said to be the largest passenger train that has ever pulled into either of these towns.

See Flotation Process

Upon arrival at Hurley the visitors, in groups of ten or twenty, spent two hours in a study of the methods of the Chino Copper company's mill. It was the first sight on the trip of the use of the flotation process, the magnetic separator and general use of the Garfield tables. All Hurley was ready for the delegates and refreshments were provided throughout the afternoon. In the evening the Eleventh cavalry band provided music for dancing on an outdoor platform constructed by the company for the occasion and the party tripped the light fantastic until 11 o'clock, when the train pulled out for Douglas. It was generally agreed that the day in New Mexico had been a revelation of what western hospitality means and many were heard to say that they had enjoyed the time of their lives while at the same time witnessing the modern scientific methods of a great copper producing company.

Smelters Visited

Tuesday was spent in Douglas and the smelting plants of the Calumet & Arizona Mining Company and the Copper Queen Consolidated Mining Company were inspected by the members of the institute. After a dinner at the Country Club that night, the train left the Border City and arrived in Bisbee yesterday morning at 1 o'clock. The train left last evening at 10 o'clock for Globe where it is expected to arrive at 9 o'clock this morning. Two days will be given to the Globe-Miami district and then the party will go by the Apache Trail via Roosevelt Dam, to Phoenix and thence into the northern part of the state.

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of the mining men's visit here and one of the most successful was the evening banquet at the Country Club, directed by Francis De Harak, chef at the Copper Queen hotel. The dinner which was for 210 plates, was perhaps the most elaborate and most beautifully appointed ever undertaken here. Harak devoted the large part of a week to the undertaking.
BISBEE DAY—GALLEY 3

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—MARRIBOUGH AND FURS OF ALL KINDS WILL BE IN GREAT demand for trimming Fall Suits, Coats and Dresses. An exceptionally large shipment recently received, brought us a complete variety of fashionable Fur Trimming that is best in style and color.

Marribough in white, black, pink, blue and natural. Fur of opossum, skunk, fox, beaver, mole and ermine. Prices range from 25c upwards to \$6.50 a yard.